10581177.trn

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provided by InfoChem.

STRUCTURE FILE UPDATES: 25 AUG 2011 HIGHEST RN 1323485-64-8
DICTIONARY FILE UPDATES: 25 AUG 2011 HIGHEST RN 1323485-64-8

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http://www.cas.org/support/stngen/stndoc/properties.html

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15 16 17 18
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
8-15 16-17 17-18
ring bonds :
1-2 1-6 1-7 1-10 2-3 3-4 4-5 5-6 7-8 8-9 9-10 9-11 10-14 11-12 12-13 13-14
exact/norm bonds :
1-2 1-6 1-7 1-10 2-3 3-4 4-5 5-6 7-8 8-9 8-15 16-17 17-18
normalized bonds :

26/08/2011

10581177.trn

9-10 9-11 10-14 11-12 12-13 13-14

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS

L1   STRUCTURE UPLOADED

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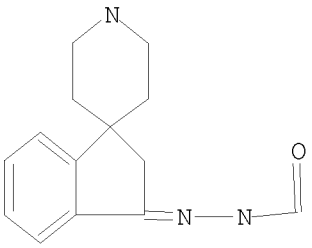

Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED   430 ITERATIONS   41 ANSWERS
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L3   41 SEA SSS FUL L1

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26/08/2011

10581177.trn

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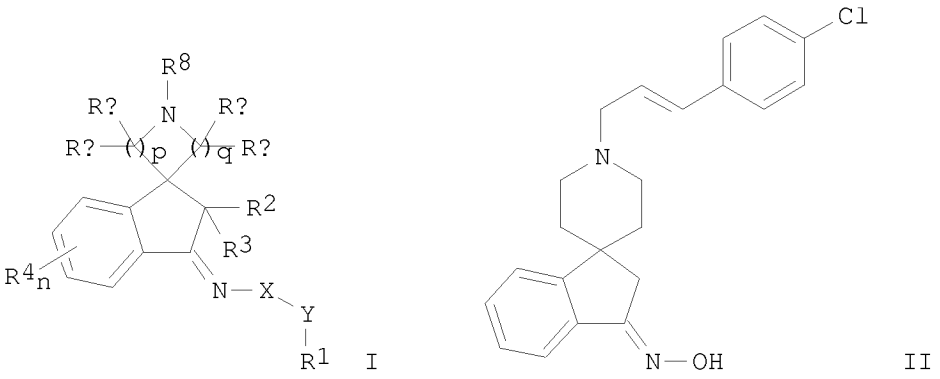
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2011 ACS on STN
GI



AB Title compds. I [X = O, amino; Y = bond, CO, CS, SO0-2; R1 = H, alkyl, alkoxycarbonyl, etc.; R2-3 = H, halo, CN, alkyl, etc.; R4 = halo, NO2, CN, etc.; Ra = H, halo, OH, CN, etc.; p, q = 0-6; R8 = alk(en/yn)yl, etc.] are prepared For instance, II is prepared in 3 steps from spiro[indan-1-one-3,4'-piperidine]-1'-carboxylic acid tert Bu ester, 4-chlorocinnamyl chloride and hydroxylamine (E (dominant) and Z oximes isolated). Selected example compds. gave >80% control of Spodoptera littoralis. I are useful in controlling insects, acarines, nematodes or molluscs.

AN 2005:570877 CAPLUS

DN 143:77964

TI Preparation of insecticidal spiroindane derivatives

IN Cassayre, Jerome; Molleyres, Louis-Pierre; Maienfisch, Peter; Cederbaum, Fredrik

PA Syngenta Participations A.-G., Switz.

SO PCT Int. Appl., 114 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005058836	A1	20050630	WO 2004-IB4108	20041209
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1697327	A1	20060906	EP 2004-806338	20041209
EP 1697327	B1	20110713		
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IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS

BR 2004017555	A	20070327	BR 2004-17555	20041209
JP 2007516253	T	20070621	JP 2006-543659	20041209
AT 516273	T	20110715	AT 2004-806338	20041209
IN 2006CN02077	A	20070706	IN 2006-CN2077	20060612
US 20080306101	A1	20081211	US 2008-581177	20080828
PRAI GB 2003-28906	A	20031212		
WO 2004-IB4108	W	20041209		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 143:77964; MARPAT 143:77964

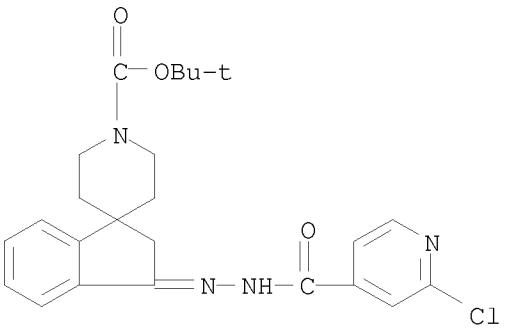
IT 855849-47-7P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of insecticidal spiroindane derivs. as insecticides, acaracides, molluscicides and nematocides)

RN 855849-47-7 CAPLUS

CN Spiro[1H-indene-1,4'-piperidine]-1'-carboxylic acid, 3-[2-[(2-chloro-4-pyridinyl)carbonyl]hydrazinylidene]-2,3-dihydro-, 1,1-dimethylethyl ester (CA INDEX NAME)



IT 855849-48-8P 855849-49-9P 855849-50-2P
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855849-57-9P 855849-58-0P 855849-59-1P
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855849-81-9P 855849-85-3P 855849-86-4P
855849-87-5P 855849-94-4P

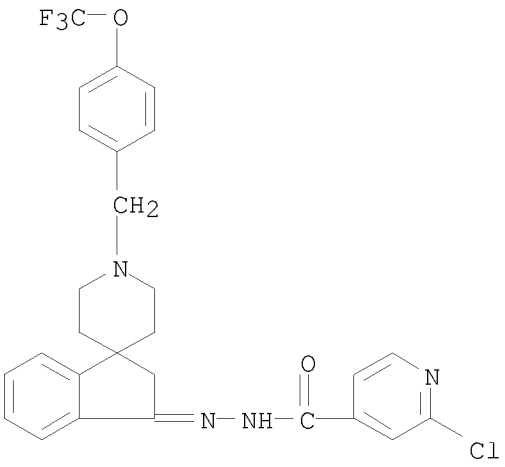
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of insecticidal spiroindane derivs. as insecticides, acaracides, molluscicides and nematocides)

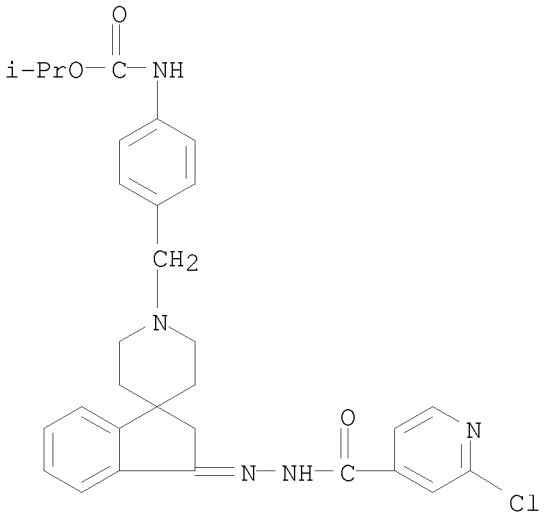
RN 855849-48-8 CAPLUS

CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[2,3-dihydro-1'-[[4-(trifluoromethoxy)phenyl]methyl]spiro[1H-indene-1,4'-

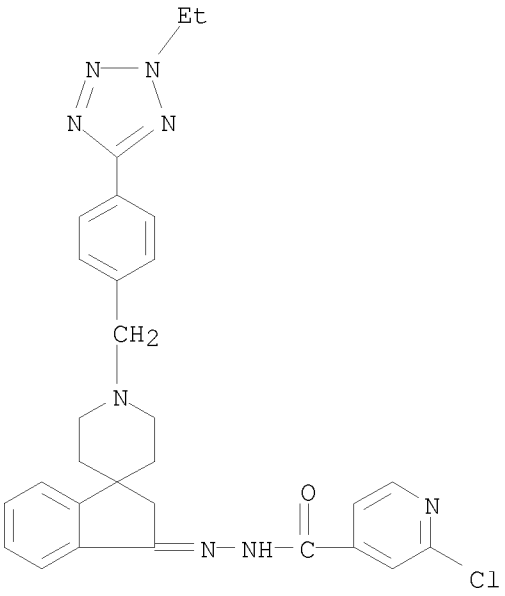
piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



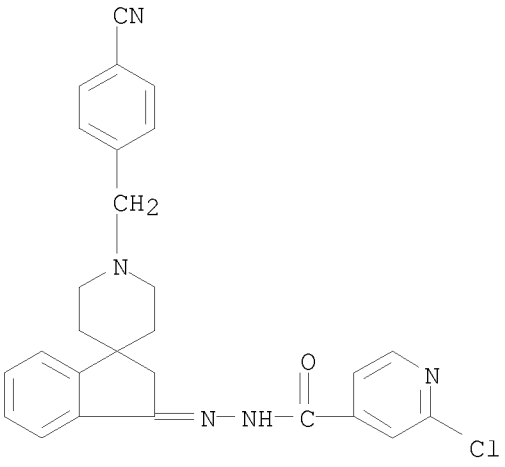
RN 855849-49-9 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[2,3-dihydro-1'-[[4-[[(1-methylethoxy)carbonyl]amino]phenyl]methyl]spiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



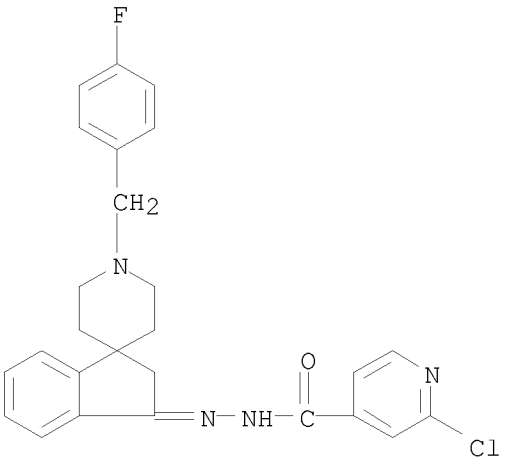
RN 855849-50-2 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[1'-[[4-(2-ethyl-2H-tetrazol-5-yl)phenyl]methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



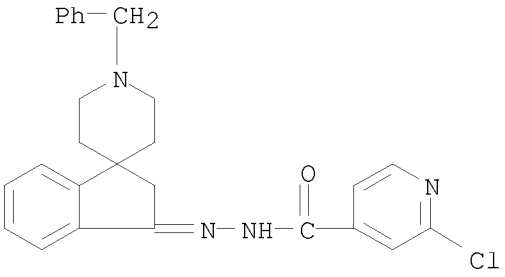
RN 855849-51-3 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[1'-[(4-cyanophenyl)methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



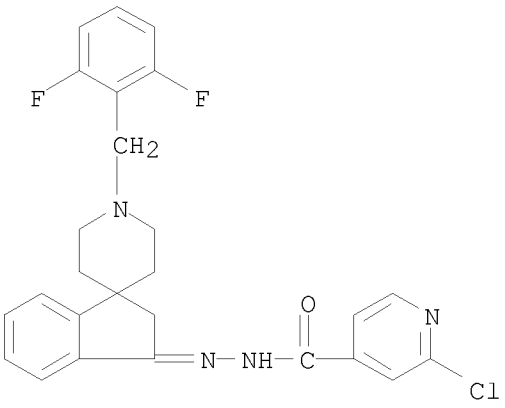
RN 855849-52-4 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[1'-[(4-fluorophenyl)methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



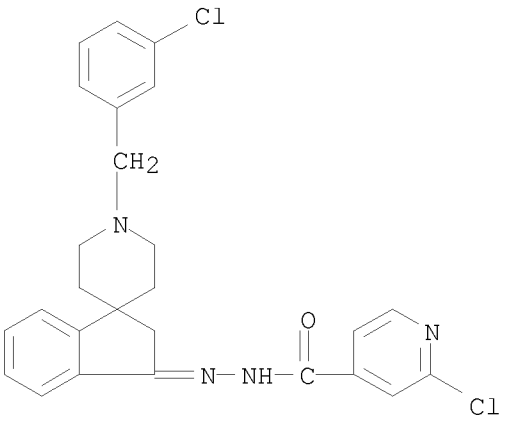
RN 855849-53-5 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[2,3-dihydro-1'-(phenylmethyl)spiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



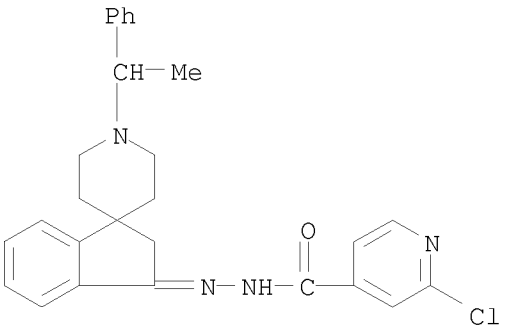
RN 855849-54-6 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[1'-[(2,6-difluorophenyl)methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



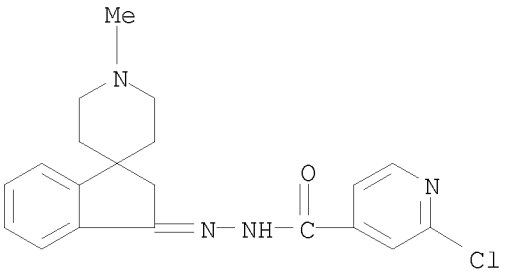
RN 855849-55-7 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[1'-[(3-chlorophenyl)methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



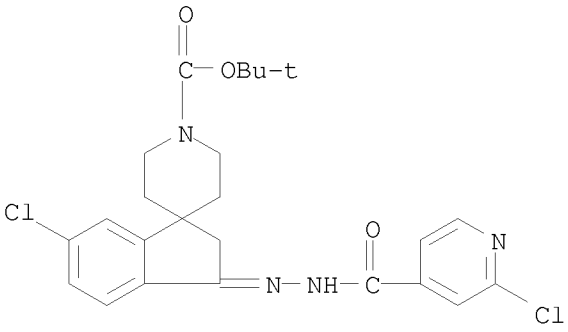
RN 855849-56-8 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[2,3-dihydro-1'-(1-phenylethyl)spiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



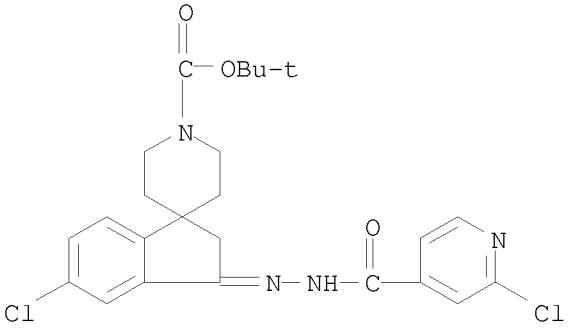
RN 855849-57-9 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-(2,3-dihydro-1'-methylspiro[1H-indene-1,4'-piperidin]-3-ylidene)hydrazide (CA INDEX NAME)



RN 855849-58-0 CAPLUS
CN Spiro[1H-indene-1,4'-piperidine]-1'-carboxylic acid, 6-chloro-3-[2-[(2-chloro-4-pyridinyl)carbonyl]hydrazinylidene]-2,3-dihydro-, 1,1-dimethylethyl ester (CA INDEX NAME)

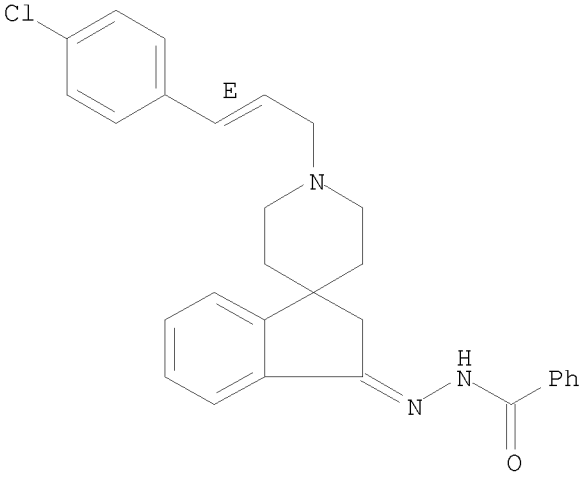


RN 855849-59-1 CAPLUS
CN Spiro[1H-indene-1,4'-piperidine]-1'-carboxylic acid, 5-chloro-3-[2-[(2-chloro-4-pyridinyl)carbonyl]hydrazinylidene]-2,3-dihydro-, 1,1-dimethylethyl ester (CA INDEX NAME)



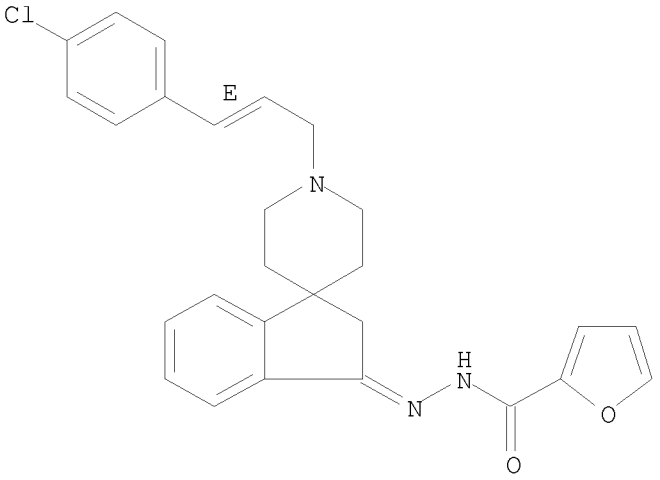
RN 855849-60-4 CAPLUS
CN Benzoic acid, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



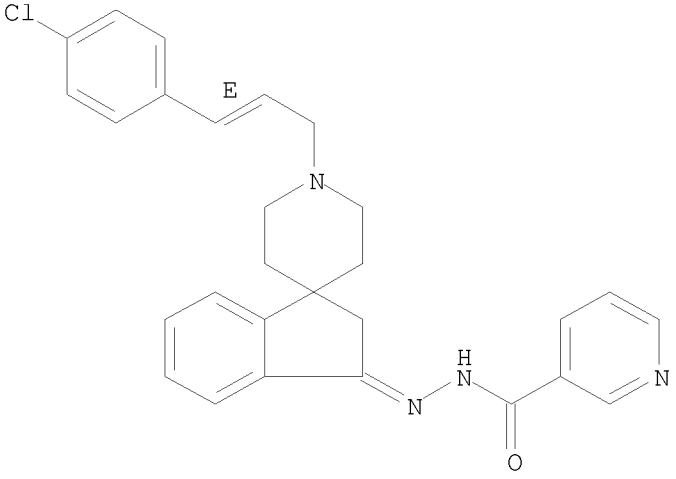
RN 855849-61-5 CAPLUS
CN 2-Furancarboxylic acid, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



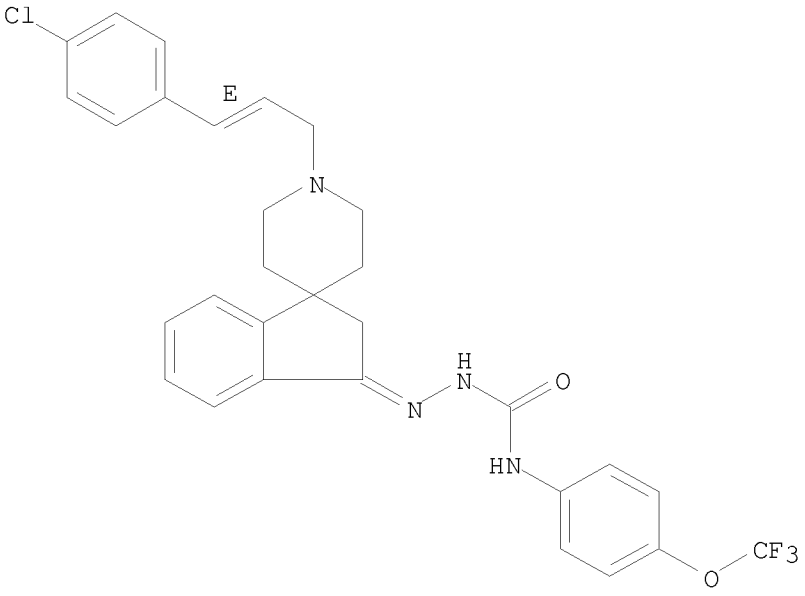
RN 855849-62-6 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



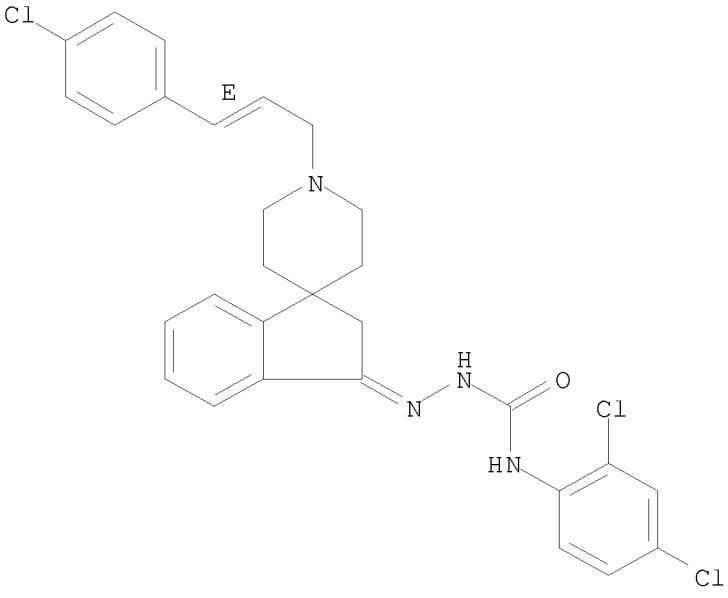
RN 855849-63-7 CAPLUS
CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-[4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)

Double bond geometry as described by E or Z.



RN 855849-64-8 CAPLUS
CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-(2,4-dichlorophenyl)- (CA INDEX NAME)

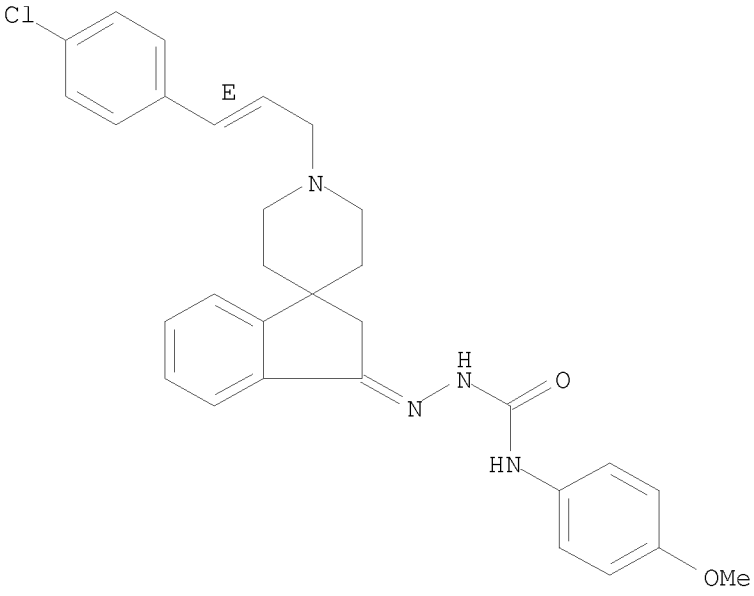
Double bond geometry as described by E or Z.



RN 855849-65-9 CAPLUS
CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-(4-methoxyphenyl)-

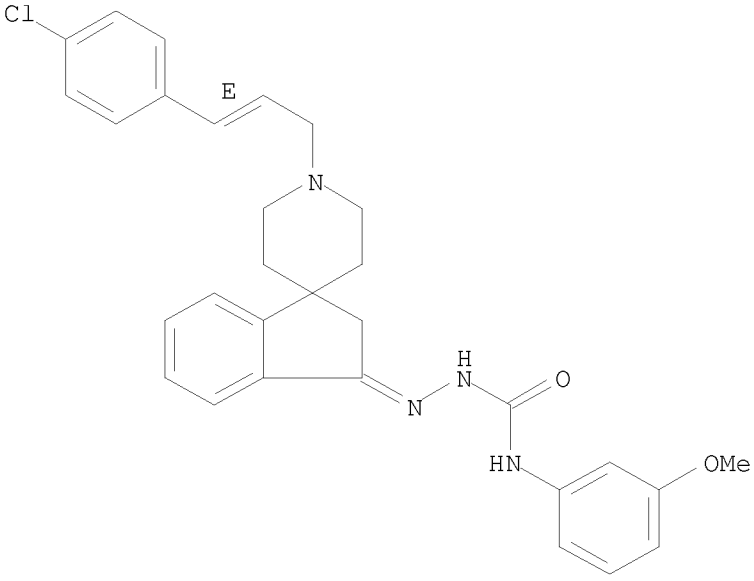
(CA INDEX NAME)

Double bond geometry as described by E or Z.



RN 855849-66-0 CAPLUS
CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-(3-methoxyphenyl)- (CA INDEX NAME)

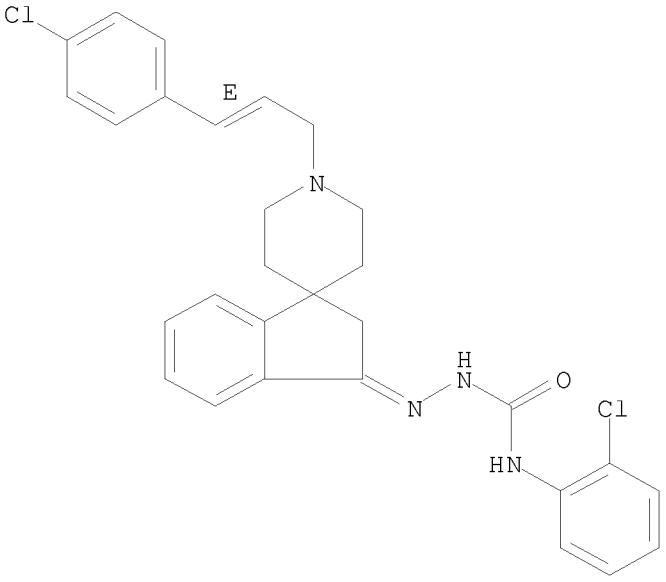
Double bond geometry as described by E or Z.



RN 855849-67-1 CAPLUS

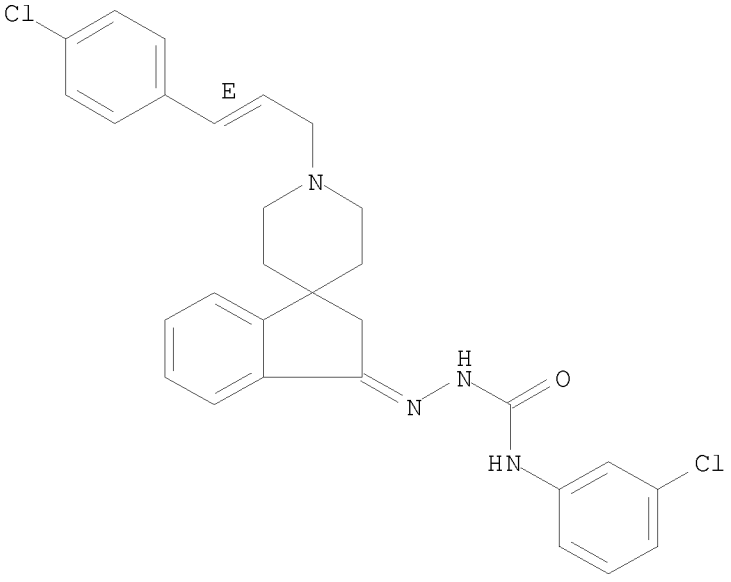
CN Hydrazinecarboxamide, N-(2-chlorophenyl)-2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]- (CA INDEX NAME)

Double bond geometry as described by E or Z.



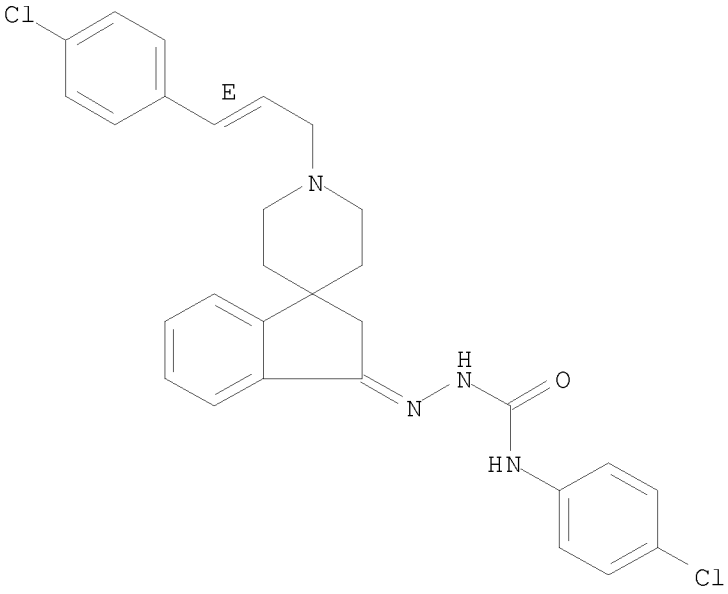
RN 855849-68-2 CAPLUS
CN Hydrazinecarboxamide, N-(3-chlorophenyl)-2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]- (CA INDEX NAME)

Double bond geometry as described by E or Z.



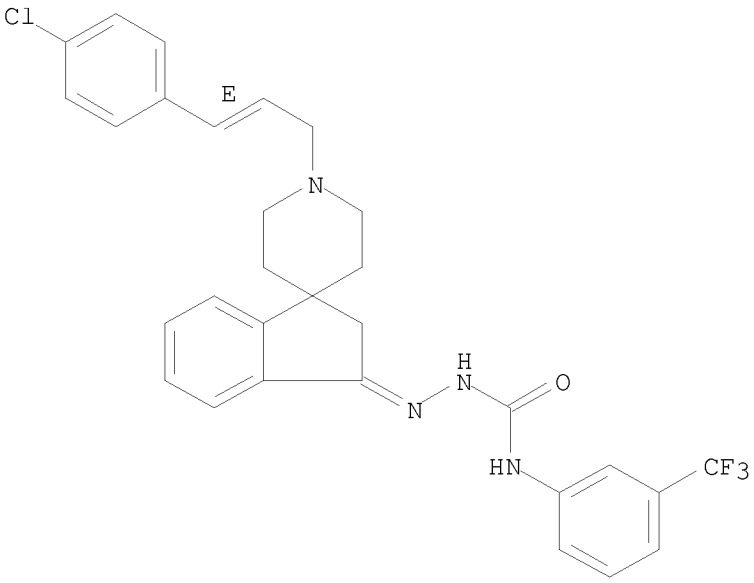
RN 855849-69-3 CAPLUS
CN Hydrazinecarboxamide, N-(4-chlorophenyl)-2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]- (CA INDEX NAME)

Double bond geometry as described by E or Z.



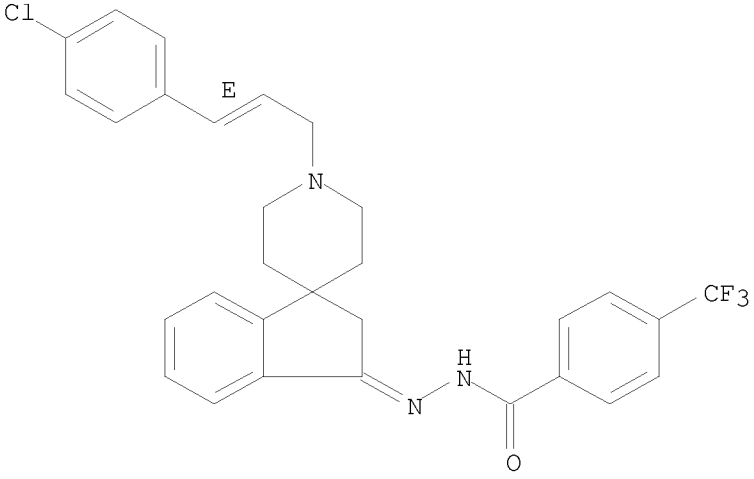
RN 855849-70-6 CAPLUS
CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)

Double bond geometry as described by E or Z.



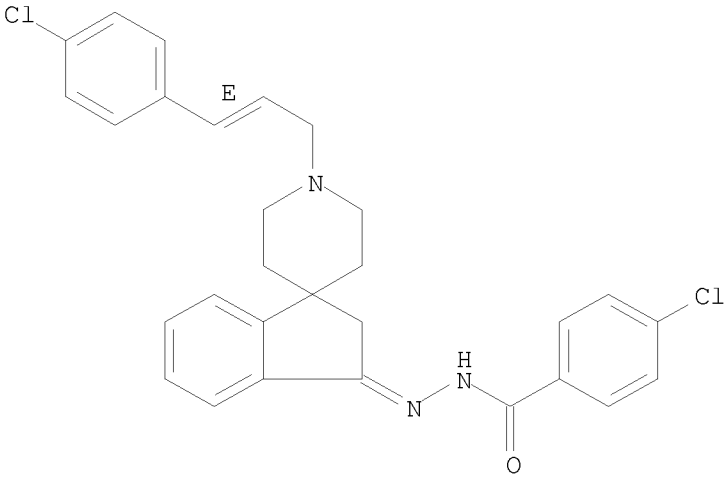
RN 855849-71-7 CAPLUS
CN Benzoic acid, 4-(trifluoromethyl)-, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



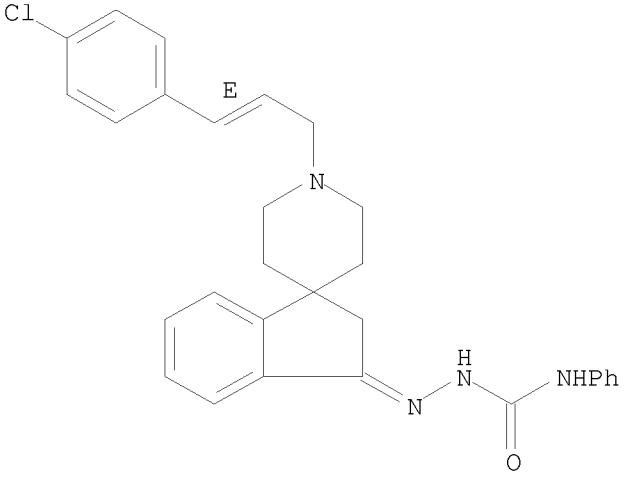
RN 855849-72-8 CAPLUS
CN Benzoic acid, 4-chloro-, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



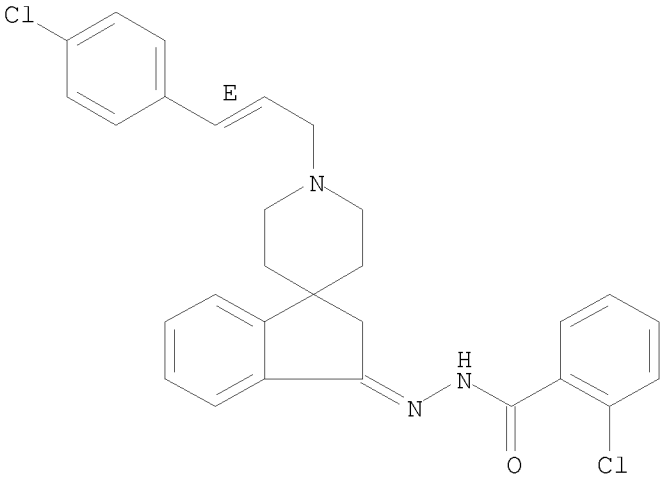
RN 855849-73-9 CAPLUS
CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-phenyl- (CA INDEX NAME)

Double bond geometry as described by E or Z.



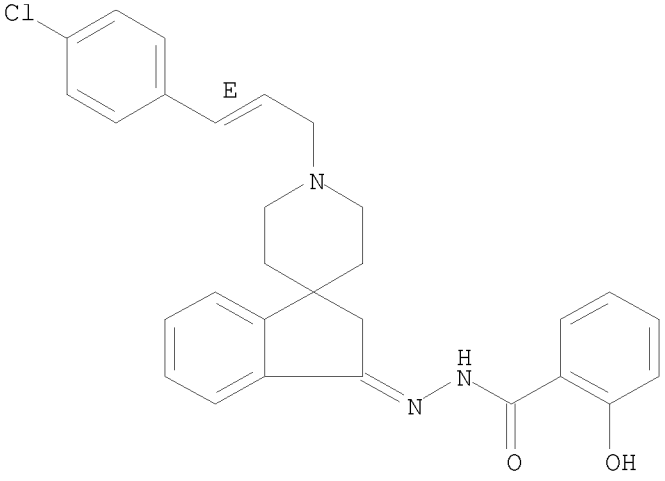
RN 855849-74-0 CAPLUS
CN Benzoic acid, 2-chloro-, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



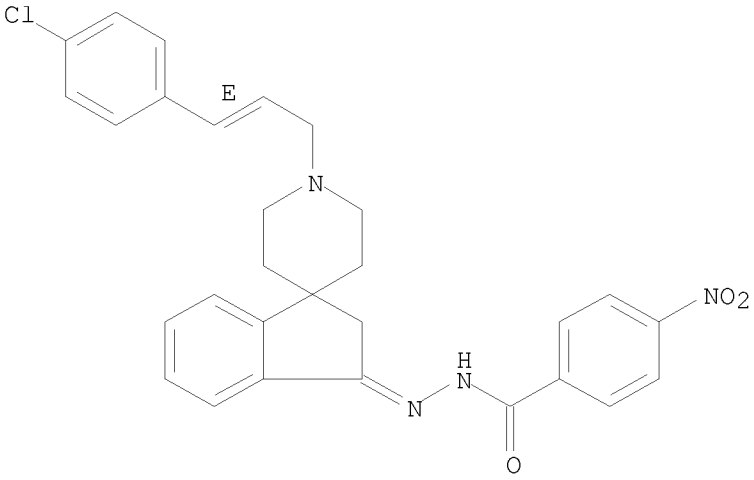
RN 855849-75-1 CAPLUS
CN Benzoic acid, 2-hydroxy-, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



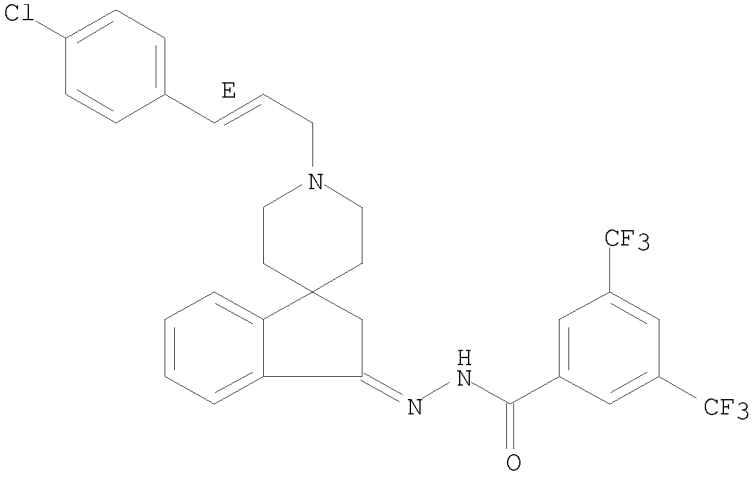
RN 855849-76-2 CAPLUS
CN Benzoic acid, 4-nitro-, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



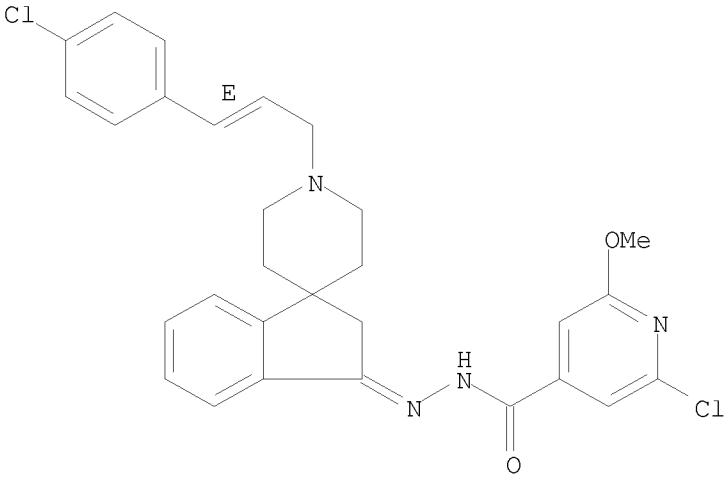
RN 855849-77-3 CAPLUS
CN Benzoic acid, 3,5-bis(trifluoromethyl)-,
2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



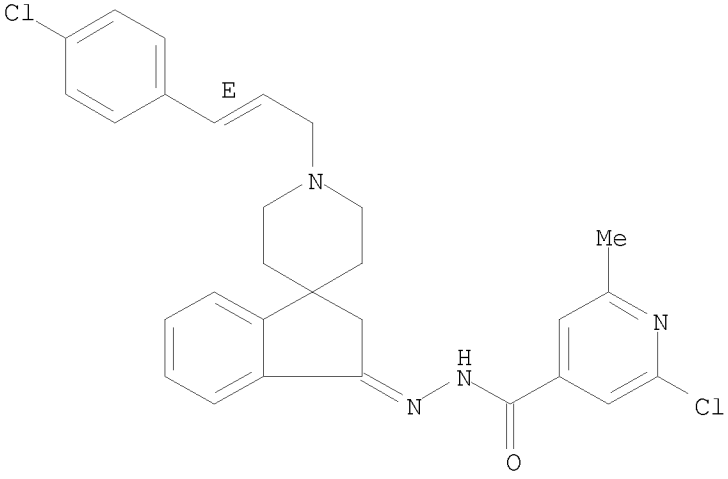
RN 855849-78-4 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-6-methoxy-,
2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



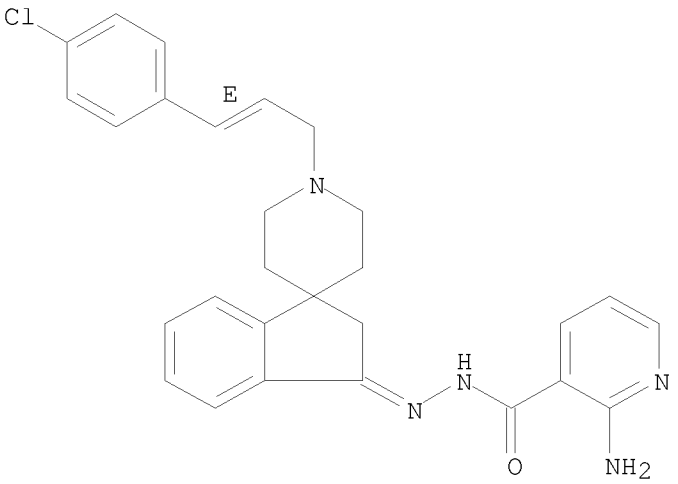
RN 855849-79-5 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-6-methyl-,
2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



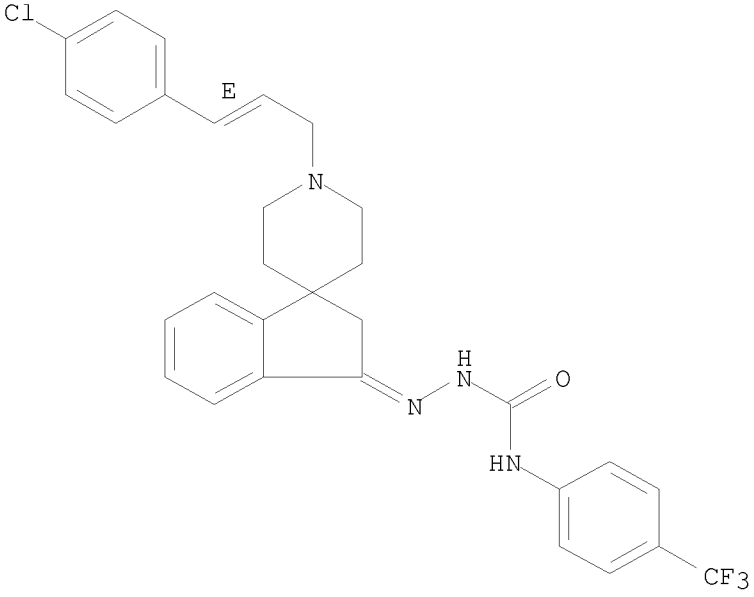
RN 855849-80-8 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-amino-,
2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.



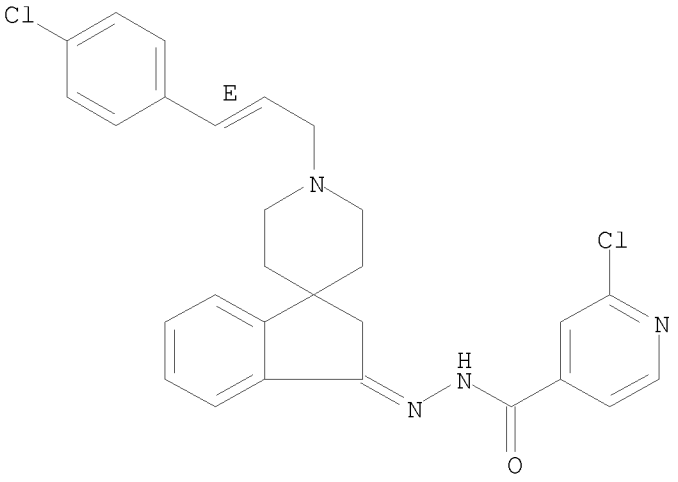
RN 855849-81-9 CAPLUS
CN Hydrazinecarboxamide, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]-N-[4-(trifluoromethyl)phenyl]- (CA INDEX NAME)

Double bond geometry as described by E or Z.



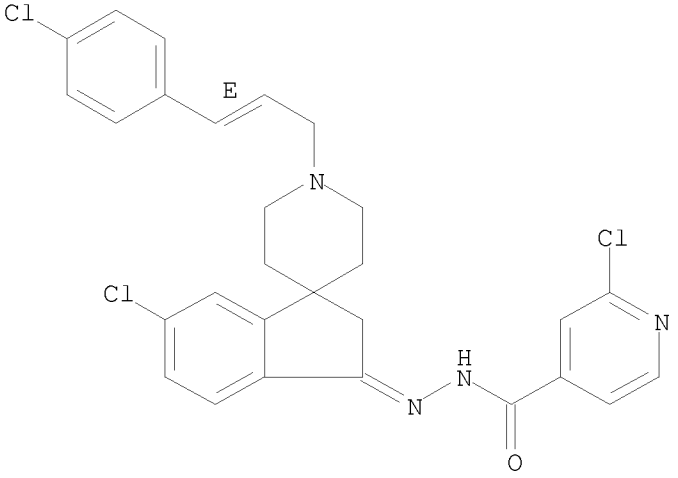
RN 855849-85-3 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

Double bond geometry as described by E or Z.

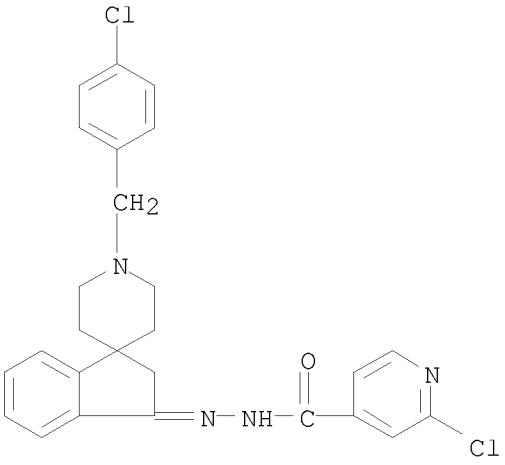


RN 855849-86-4 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[6-chloro-1'-[(2E)-3-(4-chlorophenyl)-2-propen-1-yl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)

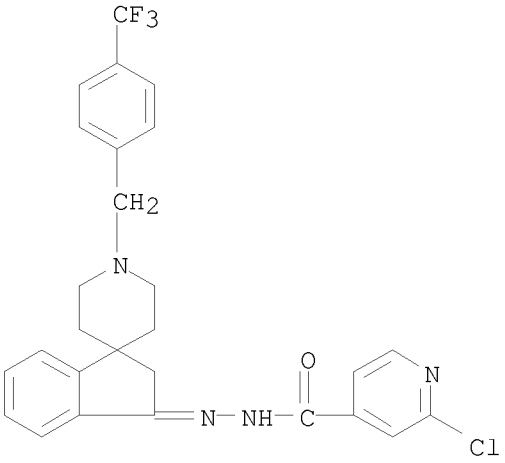
Double bond geometry as described by E or Z.



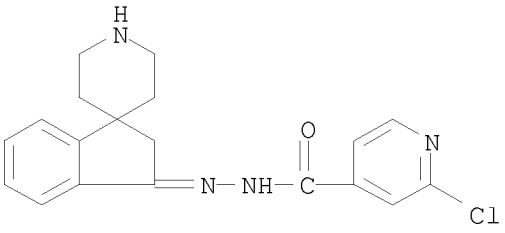
RN 855849-87-5 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[1'-[(4-chlorophenyl)methyl]-2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



RN 855849-94-4 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-[2,3-dihydro-1'-[[4-(trifluoromethyl)phenyl]methyl]spiro[1H-indene-1,4'-piperidin]-3-ylidene]hydrazide (CA INDEX NAME)



IT 855849-93-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of insecticidal spiroindane derivs. as insecticides, acaracides, molluscicides and nematocides)
RN 855849-93-3 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-chloro-, 2-(2,3-dihydrospiro[1H-indene-1,4'-piperidin]-3-ylidene)hydrazide (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10581177.trn

=> file registry
C

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 25 AUG 2011 HIGHEST RN 1323485-64-8
DICTIONARY FILE UPDATES: 25 AUG 2011 HIGHEST RN 1323485-64-8

CAS Information Use Policies apply and are available at:

Uploading C:\Users\rdesai\Documents\STN Express 8.4\Queries\10581177.str

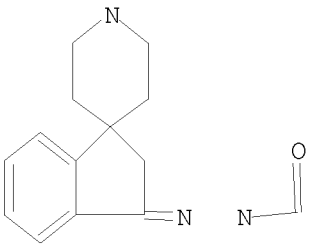
chain nodes :
15 16 17 18
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
8-15 16-17 17-18
ring bonds :
1-2 1-6 1-7 1-10 2-3 3-4 4-5 5-6 7-8 8-9 9-10 9-11 10-14 11-12 12-13
13-14
exact/norm bonds :
1-2 1-6 1-7 1-10 2-3 3-4 4-5 5-6 7-8 8-9 8-15 16-17 17-18
normalized bonds :
9-10 9-11 10-14 11-12 12-13 13-14

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS

L5   STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5   STR

10581177.trn



Structure attributes must be viewed using STN Express query preparation.

=> s l5
SAMPLE SEARCH INITIATED 16:20:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1291 TO ITERATE

100.0% PROCESSED 1291 ITERATIONS 5 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 23665 TO 27975
PROJECTED ANSWERS: 5 TO 234

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FULL SEARCH INITIATED 16:20:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 26312 TO ITERATE

100.0% PROCESSED 26312 ITERATIONS 42 ANSWERS
SEARCH TIME: 00.00.01

L7 42 SEA SSS FUL L5

C

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2011.

CAS Information Use Policies apply and are available at:

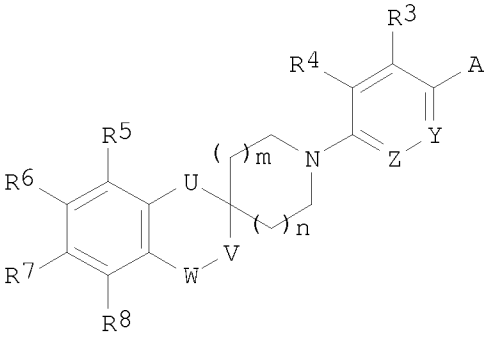
http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l7
L8 3 L7

=> d abs bib fhitstr 1-3

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2011 ACS on STN
GI



I

AB Disclosed is an agent represented by a general formula I (A = CONHR1, ER2; R1 = (un)substituted C1-6 alkyl, (un)substituted C3-6 cycloalkyl; E = 1,3,4-oxadiazol, 1,2,4-oxadiazol, imidazol; R2 = H, (un)substituted C1-6 alkyl, phenyloxy, phenylamino, pyridylamino; R3, R4 = H, halogen, C1-6 alkyl, R5, R6, R7, R8 = H, halogen, C1-6 (halogenated)alkyl, C1-6 (halogenated)alkoxy; Z, Y = N, :CH- except Z = Y = :CH-; U = single bond, methylene, CH(OH), carbonyl, O, S, sulfinyl, sulfonyl; V = single bond, methylene, CH(OH); W = methylene, CH(OH), etc.; m, n = 0, 1 except m = 0/n = 1 and m = 1/n = 0), or is pharmaceutically acceptable salt as an active component. The agent has stearoyl-CoA desaturase-inhibitory effect, and suitable for use for prevention and/or treatment of related disease, e.g. obesity, hyperlipidemia, lipid metabolism disorder, diabetes, etc. For example, 6-(3,4-dihydro-1'H-spiro[chromene-2,4'-piperidin]-1'-yl)-N-(2-hydroxy-2-phenylethyl)piridazine-3-carboxamide (II) was prepared The compound II showed ≥ 50 % stearoyl-CoA desaturase activity-inhibitory effect at 0.2 μM in vitro. Also, a capsule containing II 50 mg/150 mg capsule was formulated.

AN 2009:1430440 CAPLUS

DN 151:565181

TI Pharmaceutical agent containing novel spiro piperidine derivatives having stearoyl-CoA desaturase-inhibitory effect

IN Uto, Yoshikazu; Kiyotsuka, Yohei

PA Daiichi Sankyo Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 136 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

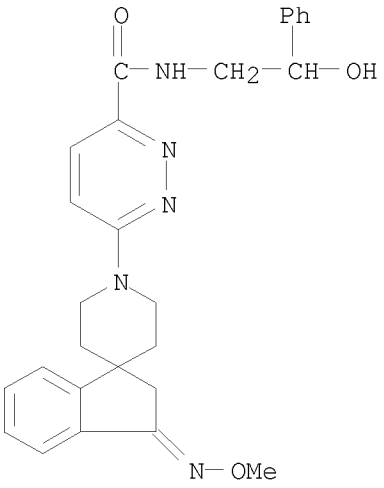
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2009269850	A	20091119	JP 2008-120937	20080507
PRAI	JP 2008-120937		20080507		

OS MARPAT 151:565181

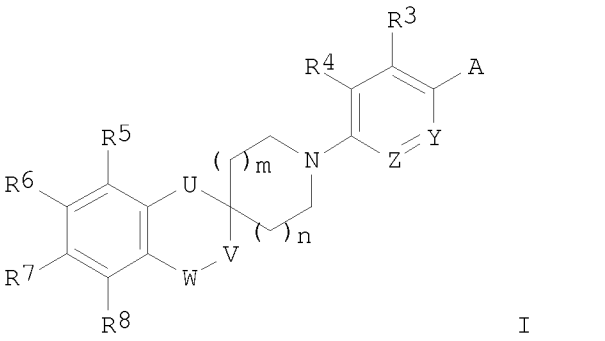
IT 1024604-69-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(novel spiro piperidine derivs. having stearoyl-CoA

desaturase-inhibitory effect)
RN 1024604-69-0 CAPLUS
CN 3-Pyridazinecarboxamide, 6-[2,3-dihydro-3-(methoxyimino)spiro[1H-indene-1,4'-piperidin]-1'-yl]-N-(2-hydroxy-2-phenylethyl)- (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2011 ACS on STN
GI



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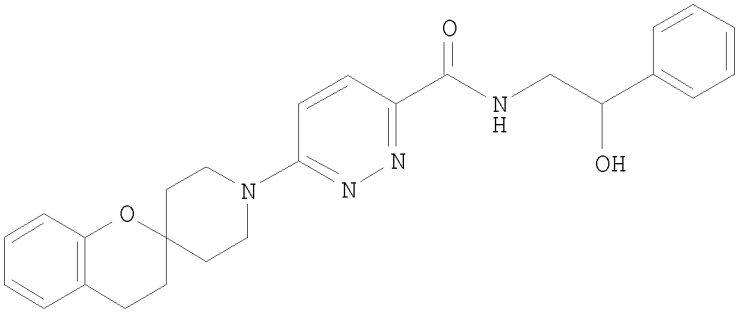


II

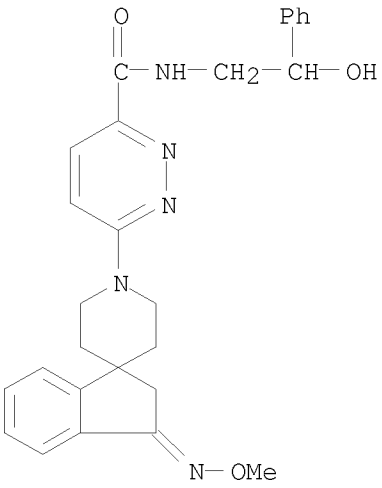
AB The title compds. [I; A = CONHR1 or ER2; R1 = (un)substituted C1-6 alkyl or C3-6 cycloalkyl; E = 1,3,4-oxadiazole, 1,2,4-oxadiazole, or imidazole group; R2 = H, each (un)substituted C1-6 alkyl, phenyloxy, phenylamino, or pyridylamino; R3, R4 = H, halo, C1-6 alkyl; R5-R8 = H, halo, C1-6 alkyl, C1-6 haloalkyl, C1-6 alkoxy, C1-6 haloalkoxy; Z, Y = N, CH; U = single bond, methylene, CH(OH), CH(OQ1), CO, C(:NOQ2), O; Q1, Q2 = C1-6 alkyl; m, n = 0 or 1, provided that a case where m = 0 and n = 1 or m = 1 and n = 0 is excluded] or pharmacol. acceptable salts were prepared These compds. have excellent stearoyl-CoA-desaturase inhibitory activity and are useful for the prevention and/or treatment of obesity, hyperlipidemia, hypertriglyceridemia, insulin resistance syndrome, abnormal glucose tolerance, diabetes, diabetes complications (including diabetes peripheral nerve disorder, diabetic nephropathy, diabetic retinopathy, and diabetic macroangiopathy), cataract, gestational diabetes, polycystic ovary syndrome, arteriosclerosis, atherosclerosis, diabetic arteriosclerosis, hypertension, cerebral vascular disorders, coronary artery disease, fatty liver, nonalcoholic fatty hepatitis, dyspnea, backache (lumbago), gonarthrosis, gout, and cholelithiasis. Thus, a suspension of 92 mg 6-chloro-N-(2-hydroxy-2-phenylethyl)pyridazine-3-carboxamide, 67 mg 3,4-Dihydro-1'H-spiro[chromene-2,4'-piperidine], and diisopropylethylamine in n-butanol was heated at 120° for 25 h to give 49% 6-(3,4-dihydrospiro[chromene-2,4'-piperidin]-1'-yl)-N-(2-hydroxy-2-phenylethyl)pyridazine-3-carboxamide (II). II at 2 μM inhibited ≥50% stearoyl-CoA-desaturase. A capsule and a tablet formulation containing II were described.

AN 2008:583341 CAPLUS
DN 148:538285
TI Preparation of spiropiperidine derivatives as stearoyl-CoA-desaturase inhibitors
IN Uto, Yoshikazu; Kiyotsuka, Yohei
PA Daiichi Sankyo Company, Limited, Japan
SO PCT Int. Appl., 233pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2008056687	A1	20080515	WO 2007-JP71605	20071107

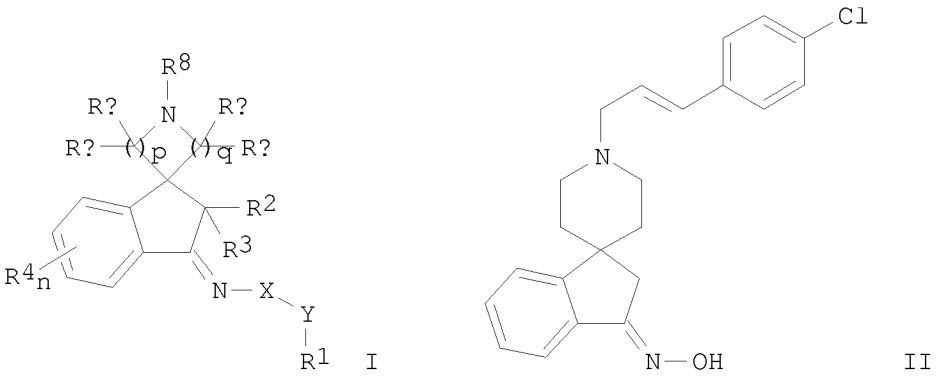
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRAI JP 2006-303866 A 20061109
OS MARPAT 148:538285
IT 1024604-69-0P, N-(2-Hydroxy-2-phenylethyl)-6-[3-(methoxyimino)-2,3-dihydrospiro[indene-1,4'-piperidin]-1'-yl]pyridazine-3-carboxamide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of spiropiperidine derivs. as stearoyl-CoA-desaturase inhibitors)
RN 1024604-69-0 CAPLUS
CN 3-Pyridazinecarboxamide, 6-[2,3-dihydro-3-(methoxyimino)spiro[1H-indene-1,4'-piperidin]-1'-yl]-N-(2-hydroxy-2-phenylethyl)- (CA INDEX NAME)



OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2011 ACS on STN
GI



AB Title compds. I [X = O, amino; Y = bond, CO, CS, SO0-2; R1 = H, alkyl, alkoxycarbonyl, etc.; R2-3 = H, halo, CN, alkyl, etc.; R4 = halo, NO2, CN, etc.; Ra = H, halo, OH, CN, etc.; p, q = 0-6; R8 = alk(en/yn)yl, etc.] are prepared For instance, II is prepared in 3 steps from spiro[indan-1-one-3,4'-piperidine]-1'-carboxylic acid tert Bu ester, 4-chlorocinnamyl chloride and hydroxylamine (E (dominant) and Z oximes isolated). Selected example compds. gave >80% control of Spodoptera littoralis. I are useful in controlling insects, acarines, nematodes or molluscs.

AN 2005:570877 CAPLUS

DN 143:77964

TI Preparation of insecticidal spiroindane derivatives

IN Cassayre, Jerome; Molleyres, Louis-Pierre; Maienfisch, Peter; Cederbaum, Fredrik

PA Syngenta Participations A.-G., Switz.

SO PCT Int. Appl., 114 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005058836	A1	20050630	WO 2004-IB4108	20041209
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1697327	A1	20060906	EP 2004-806338	20041209
EP 1697327	B1	20110713		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

	IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
	BR 2004017555	A	20070327	BR 2004-17555	20041209
	JP 2007516253	T	20070621	JP 2006-543659	20041209
	AT 516273	T	20110715	AT 2004-806338	20041209
	IN 2006CN02077	A	20070706	IN 2006-CN2077	20060612
	US 20080306101	A1	20081211	US 2008-581177	20080828
PRAI	GB 2003-28906	A	20031212		
	WO 2004-IB4108	W	20041209		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 143:77964; MARPAT 143:77964

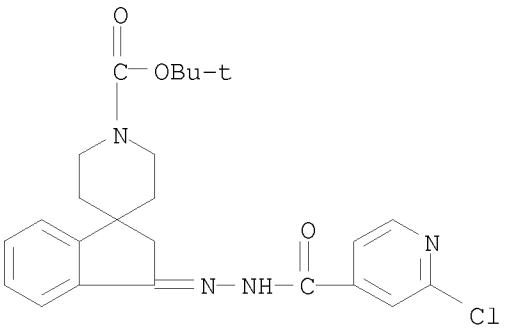
IT 855849-47-7P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of insecticidal spiroindane derivs. as insecticides, acaracides, molluscicides and nematocides)

RN 855849-47-7 CAPLUS

CN Spiro[1H-indene-1,4'-piperidine]-1'-carboxylic acid, 3-[2-[(2-chloro-4-pyridinyl)carbonyl]hydrazinylidene]-2,3-dihydro-, 1,1-dimethylethyl ester (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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